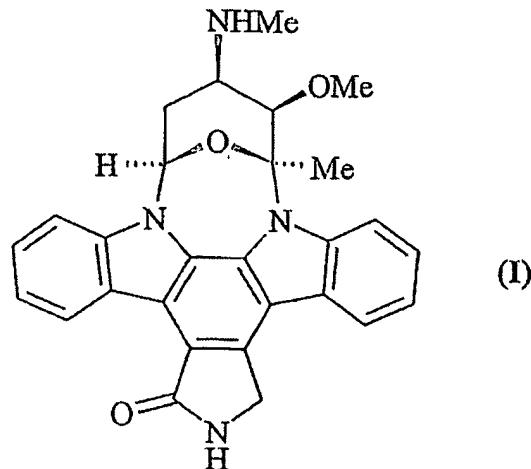


Amendments To The Claims

This Listing Of Claims will replace all prior versions, and listings, of claims in this application:

Listing Of Claims:

Claim 1 (Currently Amended): A process for the recovery of staurosporine of formula:



from a fermentation broth comprising the steps of:

- i) adding a water-miscible organic solvent A to the fermentation broth;
- ii) ultrafiltering the dilute fermentation broth obtained in step i);
- iii) optionally diafiltrating the retenate obtained in step [ii] with a mixture of a water and a water-miscible organic solvent B, and optionally combining the permeates of the ultrafiltration and the diafiltration;
- iv) optionally adjusting the pH of the permeate obtained in step ii) or step iii) to at least 8.5;
- v) concentrating the permeate;
- vi) adjusting the pH of the concentrate obtained in step v) to at least pH 8.5, unless the pH of said concentrate is already at least 8.5; and
- vii) collecting the precipitated staurosporine obtained in step vi).

Claim 2 (Currently Amended): The process of claim 1, wherein the water-miscible organic solvents A and B are identical or different and are selected from the group consisting of C₁₋₃-alcohols, *tert*-butanol, acetone and tetrahydrofuran.

Claim 3 (Original): The process of claim 2, wherein the water-miscible organic solvents A and B are identical or different and are selected from the group consisting of methanol, acetone and tetrahydrofuran.

Claim 4 (Original): The process of claim 3 wherein the water-miscible organic solvents A and B are identical and are tetrahydrofuran.

Claim 5 (Previously Presented): The process of claim 4 wherein the ratio of fermentation broth/water-miscible solvent A is between 5:1 and 0.5:1 (w/w).

Claim 6 (Previously Presented): The process of claim 5 wherein the ratio of water/water-miscible organic solvent B of the mixture of water and water-miscible organic solvent B is between 5:1 and 0.5:1 (w/w).

Claim 7 (Previously Presented): The process of claim 6 wherein the pH of the permeates obtained in steps ii) and iii) is adjusted to at least 8.5.

Claim 8 (Previously Presented): The process of claim 7 wherein the pH of the concentrate is adjusted to at least 10.0.

Claim 9 (Previously Presented): The process of claim 8 wherein precipitated staurosporine (I) is collected by centrifugation.

Claim 10 (Currently Amended): The process of claim 9 wherein staurosporine (I) obtained in step vii) is recrystallized from a suitable solvent system.

Claim 11 (Original): The process of claim 10 wherein the solvent system is selected from the group consisting of acetone, an acetone/water mixture and a tetrahydrofuran/methanol mixture.

Claim 12 (Previously Presented): The process of claim 1 wherein the ratio of fermentation in broth/water-miscible solvent A is between 5:1 and 0.5:1 (w/w).

Claim 13 (Previously Presented): The process of claim 1 wherein the ratio of water/water-miscible organic solvent B of the mixture of water and water-miscible organic solvent B is between 5:1 and 0.5:1 (w/w).

Claim 14 (Previously Presented): The process of claim 1 wherein the pH of the permeates obtained in steps ii) and iii) is adjusted to at least 8.5.

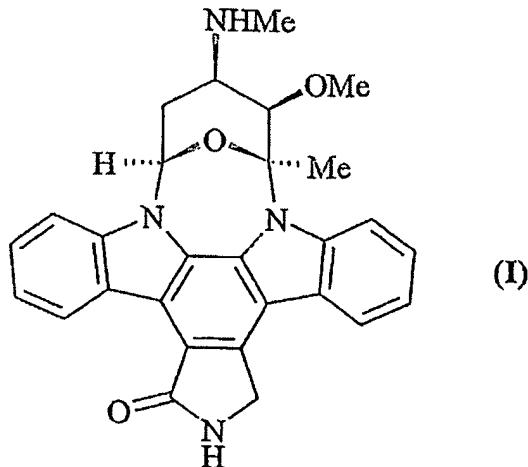
Claim 15 (Previously Presented): The process of claim 1 wherein the pH of the concentrate is adjusted to at least 10.0.

Claim 16 (Previously Presented): The process of claim 1 wherein precipitated staurosporine (I) is collected by centrifugation.

Claim 17 (Previously Presented): The process of claim 1 wherein staurosporine (I) obtained in step vii) is recrystallized from a suitable solvent system.

Claim 18 (Previously Presented): The process of claim 10 wherein the solvent system is selected from the group consisting of acetone, an acetone/water mixture and a tetrahydrofuran/methanol mixture.

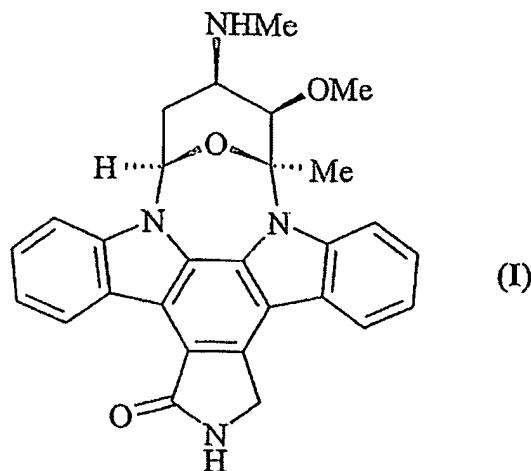
Claim 19 (New): A process for the recovery of staurosporine of formula:



from a fermentation broth comprising the steps of:

- i) adding a water-miscible organic solvent A to the fermentation broth;
- ii) ultrafiltering the dilute fermentation broth obtained in step i);
- iii) concentrating the permeate obtained in step ii);
- iv) adjusting the pH of the concentrate obtained in step iii) to at least pH 8.5, unless the pH of said concentrate is already at least 8.5; and
- v) collecting the precipitated staurosporine obtained in step iv).

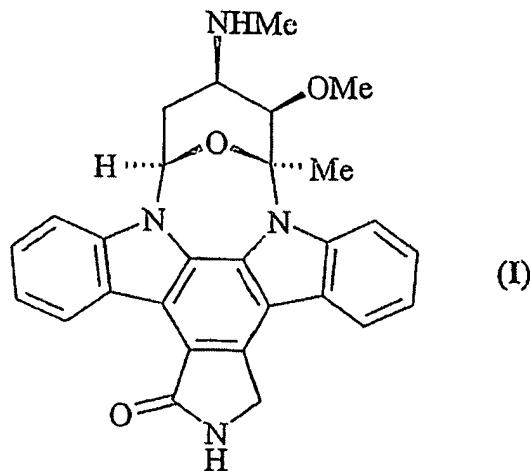
Claim 20 (New): A process for the recovery of staurosporine of formula:



from a fermentation broth comprising the steps of:

- i) adding a water-miscible organic solvent A to the fermentation broth;
- ii) ultrafiltering the dilute fermentation broth obtained in step i);
- iii) adjusting the pH of the permeate obtained in step ii) to at least 8.5;
- iv) concentrating the permeate from step iii);
- v) adjusting the pH of the concentrate obtained in step iv) to at least pH 8.5, unless the pH of said concentrate is already at least 8.5; and
- vi) collecting the precipitated staurosporine obtained in step v).

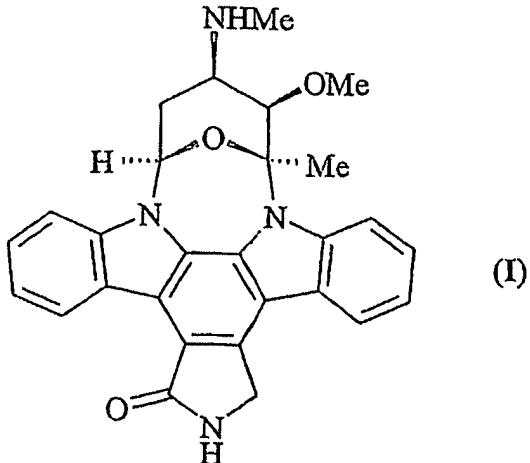
Claim 21 (New): A process for the recovery of staurosporine of formula:



from a fermentation broth comprising the steps of:

- i) adding a water-miscible organic solvent A to the fermentation broth;
- ii) ultrafiltering the dilute fermentation broth obtained in step i);
- iii) diafiltrating the retenate obtained in step ii) with a mixture of a water and a water-miscible organic solvent B;
- iv) adjusting the pH of the permeate obtained in step iii) to at least 8.5;
- v) concentrating the permeate from step iv);
- vi) adjusting the pH of the concentrate obtained in step v) to at least pH 8.5, unless the pH of said concentrate is already at least 8.5; and
- vii) collecting the precipitated staurosporine obtained in step vi).

Claim 22 (New): A process for the recovery of staurosporine of formula:



from a fermentation broth comprising the steps of:

- i) adding a water-miscible organic solvent A to the fermentation broth;
- ii) ultrafiltering the dilute fermentation broth obtained in step i);
- iii) diafiltrating the retenate obtained in step ii) with a mixture of a water and a water-miscible organic solvent B;
- iv) combining the permeates of the ultrafiltration and the diafiltration;
- v) adjusting the pH of the permeate obtained in step iv) to at least 8.5;
- vi) concentrating the permeate from step v);
- vii) adjusting the pH of the concentrate obtained in step vi) to at least pH 8.5, unless the pH of said concentrate is already at least 8.5; and
- viii) collecting the precipitated staurosporine obtained in step vii).